

2021

Stormwater Pollution Prevention Plan



US Department of Veterans Affairs

New Jersey Health Care System

Lyons Campus

151 Knollcroft Road

Lyons, New Jersey 07939

NJPDES Permit #: NJG0154873

2/24/2021



U.S. Department of Veterans Affairs
Veterans Health Administration
New Jersey Health Care System

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SPPP Form 1 – SPPP Team Members

Stormwater Program Coordinator (SPC)	
Print Name and Title	William Hallman, Supervisory Utility Systems Operator
Office Phone # and e-Mail	908-647-0180 extension 4284; william.hallman@va.gov
Signature/Date	
Individual(s) Responsible for Major Development Project Stormwater Management Review Please see training requirements for stormwater management reviewers on Form 9.	
Print Name/ Title/Affiliation	William Hallman, Supervisory Utility Systems Operator
Print Name/ Title/Affiliation	Kay Altidor, GEMS Program Manager
Print Name/ Title/Affiliation	Gary Boehner, Engineering Technician
Other SPPP Team Members	
Print Name/ Title/Affiliation	George Pietruszka, Assistant Chief, Facility Management
Print Name/ Title/Affiliation	Stanley Chmielewski, Chief, Maintenance and Repair
Print Name/ Title/Affiliation	James Klein, Boiler Plant Operator
Print Name/ Title/Affiliation	Michael Sartain, Plumbing Supervisor

SPPP Form 2 – Revision History

	Revision Date	SPC Initials	SPPP Form Changed	Reason for Revision
1.				
2.				
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SPPP Form 3 – Public Involvement and Participation Including Public Notice

1. Website URL where the Stormwater Pollution Prevention Plan (SPPP) is posted online:	https://www.newjersey.va.gov/
2. Physical location and/or website URL where records of public notices, meeting dates, minutes, etc. are kept:	https://www.newjersey.va.gov/
3. Describe how the permittee complies with applicable state and local public notice requirements when providing for public participation in the development and implementation of its MS4 stormwater program:	
<p>Because the US Department of Veterans Affairs New Jersey Health Care System (VANJHCS) - Lyons Campus is a facility rather than a municipality, the target audience for public education and outreach has a more limited scope. For the purpose of this SPPP, the term “public” will be interpreted as VANJHCS - Lyons Campus employees, patients, visitors, and on-site contractors. It is important to identify the appropriate target audience and to understand how they receive information when implementing this control measures.</p> <p>These individuals currently obtain information relating to the VANJHCS - Lyons Campus through a variety of sources, as described below. VANJHCS - Lyons Campus’ SPPP utilizes these existing communications pathways to raise public awareness and provide education about what stormwater is, where it goes at the VANJHCS - Lyons Campus, sources of storm water pollution and their impact on water quality.</p> <p><u>Required Annual Training: Stormwater Pollution Prevention</u></p> <p>The course describes the nature and occurrence of stormwater pollution, its environmental effects, and ways to address this important water quality problem. Rainwater that enters a surface water body, by flowing either overland or through a storm sewer system, is called stormwater or stormwater runoff. Stormwater runoff is one of the leading causes of pollution in rivers and lakes. Identifying sources of stormwater pollution and keeping them from coming in contact with runoff is the best and most economical way to protect the quality of the nation's waters. The content in this course is designed to comply with the intent of the applicable regulatory requirements. Learner objectives are to describe common stormwater pollutants, identify categories covered under the National Pollutant Discharge Elimination System, and discuss methods of preventing stormwater pollution. The course was developed and reviewed with subject matter support provided by certified subject matter experts and industry professionals.</p>	

Target Public Education Materials

The VANJHCS public currently obtains stormwater information relating to the Lyons campus through dissemination of periodic electronic and hard copy stormwater related updates and policies through newsletters, emails, employee training opportunities, and the VANJHCS intranet. The educational program will be evaluated and updated, if necessary, to include other methods of message distribution and targeted educational messages based on stormwater issues related to the VANJHCS.

A minimum of two educational messages will be distributed to the public over the permit term. Based on the VANJHCS' public audience, educational messages will target employees, patients, visitors, and on-site contractors, and may vary in content based on each audiences' role within the VANJHCS - Lyons Campus community. During the spring (April/May), educational messaging will be provided to relevant public audiences coinciding with spring application of fertilizer/proper disposal of grass clippings. During the fall (October/November), educational messaging will be provided to relevant public audiences coinciding with proper disposal of leaf litter.

The VANJHCS may modify or supplement public education messages with the education and outreach resources available at the EPA's website, <http://cfpub.epa.gov/npstbx/index.html>, or other, relevant resources.

SPPP Form 4 – Public Education and Outreach

This is only required for colleges, universities, and military bases with dependents living on base.

1. Describe how public education and outreach events are advertised. Include specific websites and/or physical locations where materials are available.
<i>The VANJHCS is not required to meet this requirement. It is not a college, university, or a military base with dependents living on base.</i>
2. Indicate where public education and outreach records are maintained.
N/A

SPPP Form 5 – Post-Construction Stormwater Management in New Development and Redevelopment Program

1. How does the permittee define ‘major development’?

VANJHCS has adopted the definition of major development from the Stormwater Management rules (N.J.A.C. 7:8). *Major development* means any “development” that provides for ultimately disturbing one or more acres of land or increasing impervious surface by one-quarter acre or more.

Development means: Construction, reconstruction, conversion, structural alteration, relocation or enlargement of any building or structure; mining, excavation or landfill; or use/change in use of any building, other structure, land or extension of use of land that requires permission under the Municipal Land Use Law (N.J.S.A. 40:55D-1 et seq.).

Disturbance means the addition of impervious surface (e.g. pavement); exposure or movement of soil or bedrock (e.g. grading, excavation); or clearing, cutting, or removing vegetation.

An *acre* is equivalent to 43,560 square feet. A square 200 feet by 200 feet is just less than one acre. A quarter of an acre is 10,890 square feet. A square 100 feet by 100 feet is just under a quarter of an acre.

Projects undertaken by VANJHCS - Lyons Campus which otherwise meet the definition of *major development*, but which do not require approval under the Municipal Land Use Law, N.J.S.A. 40:55D-1 et seq., are also considered “major development.”

If there is a project that is below the threshold for *major development*, or if no local or New Jersey Department of Environmental Protection permits or approvals are required to proceed, then the requirements of the Stormwater Management rules do not apply to VANJHCS - Lyons Campus project.

2. Describe the process for reviewing and approving major development project applications for compliance with the stormwater management rules at N.J.A.C. 7:8 et seq. Attach a flow chart if available. If applicable, provide the physical location of the mitigation plan required to grant a variance or exemption from the design and performance standards for stormwater management measures.

Any new major development and redevelopment projects that will receive approval by VANJHCS will be in accordance with the permit requirements for such projects. The stormwater management rules will be a part of the request for proposal (RFP) for both design and construction for any project that will be impacted. The VANJHCS - Lyons Campus will consider the applicable design and performance standards as early as possible in the project planning and design process.

The VANJHCS - Lyons Campus engineers and GEMS Program Manager will review the plans to ensure that the plans are following the stormwater management rules. Once reviewed, the new major development and redevelopment projects will be review by the Chief of Facility Management and the Associate Director. When the VANJHCS - Lyons Campus constructs any project regulated by the Public Complex Permit as a major development, VANJHCS will ensure adequate long-term

operation and maintenance of Best Management Practices. VANJHCS will not approve any project that are not in compliance with the stormwater management rule.

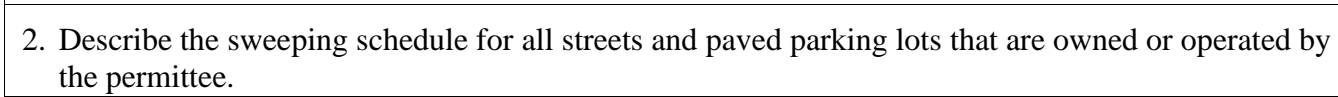
3. Indicate the physical location of approved applications for major development projects and Major Development Summary Sheets (permit Attachment D)?

Any approved applications for major development projects and Major Development Summary Sheets will be located with the Contracting Officer's Representative (COR) of the project, GEMS Program Manager, and the Facility Management Services (FMS) SharePoint folder.

SPPP Form 6 – Regulatory Mechanisms


Regulatory Mechanism	Date of Adoption	Website URL	DEP model regulatory mechanism adopted w/o change?	Entity responsible for enforcement
Each of the regulatory mechanisms is reiterate in the VANJHCS' Stormwater Pollution Prevention Program Policy, # EC-30 (138) dated December 1, 2018.				
1. Pet Waste permit cite IV.B.5.a.i.	09.16.2015	Federal Register, Volume 80 Issue 158 (Monday, August 17, 2015) (govinfo.gov)		VANJHCS
2. Wildlife Feeding permit cite IV.B.5.a.ii.	04.06.2017	http://vaww.vha.co.va.gov/eps/		VANJHCS
3. Litter Control permit cite IV.B.5.a.iii.	08.01.2017	VANJHCS Website		VANJHCS
4. Improper Disposal of Waste permit cite IV.B.5.a.iv.	05.19.2017	http://vaww.vha.co.va.gov/eps/		VANJHCS
5. Residential Yard Waste Collection <i>(for residences located within permittee property)</i> permit cite IV.B.5.a.v.	N/A			
6. Illicit Connection Prohibition permit cite IV.B.5.a.vii.	12.01.2018	VANJHCS Website		VANJHCS
Indicate the location of records associated with the regulatory mechanisms above and related enforcement actions:				
<p>All of VANJHCS policies and directives can be found on the VANJHCS Intranet Website and the VANJHCS' Office of Public and Intergovernmental Affairs webpage, https://www.va.gov/opa/publications/. In addition, all the Department of Veterans of Affairs policies and directives can be found on the VHA Publications webpage, https://www.va.gov/vhapublications/publications.cfm?pub=1&order=asc&orderby=pub_Number.</p>				

1. Provide a map or describe the location of all streets and paved parking lots that are owned or operated by the permittee. Indicate which of these streets and parking lots have storm drain inlets that direct stormwater runoff into an MS4 or discharge directly to surface water.



sweeping services of all roads and parking lots to include a vacuum truck and operator, removal and transport of sweepings for disposal on the grounds of VANJHCS - Lyons Campus.
3. Indicate the location of records, including sweeping dates, areas swept, number of miles swept, and total amount of materials collected each month.
Upon completion of services each month, the Contractor provides a report to the COR indicating the date and time of services, the amount of debris collected, and the number of miles of streets and parking swept. Copies will be kept in the Chief of Operations Office, Building 10, Room 209.

SPPP Form 8 – Catch Basins and Storm Drain Inlets

1.	Describe the schedule for inspections, cleaning, and maintenance of catch basins and storm drain inlets that are owned or operated by the permittee.
	<p>The VANJHCS - Lyons Campus has an annual catch basin cleaning program to remove debris and maintain catch basin functions and efficiency. The VANJHCS - Lyons Campus' Plumbing Supervisor will ensure that all catch basins are inspected and cleaned once annually. All catch basins/manholes will be cleaned at the time of inspection. All storm lines will be inspected and cleaned as necessary. The annual catch basin cleaning program will also identify if any repairs need to be made. VANJHCS - Lyons Campus will take proper measures to see that all catch basins are repaired utilizing employee staff or contracted services as required. VANJHCS - Lyons Campus will submit an annual report including a record of inspections, maintenance, and repairs to the NJDEP.</p>
2.	List the locations of catch basins and storm drain inlets with recurring problems, i.e., flooding, accumulated debris, etc. For each, describe what measures are taken to address the problems and explain how such work is prioritized.
	<p>There is not any catch basins and storm drain inlets with recurring problems. If there is ever any catch basins and storm drain inlets with recurring problems. It will be corrected accordingly.</p>
3.	Describe the inspection and label maintenance plan on storm drain inlets that do not have permanent wording cast into the design.
	<p>During spring and summer seasons, storm drain inlets are inspected. If replacement is required, new labels are placed.</p> <div style="text-align: center;">  </div>
4.	Indicate the location of records that include catch basin and storm drain inlet inspections, and the amount of materials collected during catch basin and storm drain inlet cleanings.
	<p>Copies will be kept in the FMS SharePoint.</p>
5.	Describe how the permittee ensures that storm drain inlets within the Public Complex are retrofitted.
	<p>Storm drain inlets are retrofitted with current NJ DEP standards for Stormwater and properly labeled.</p>

SPPP Form 9 – Employee Training

A. Permittee Employee Training: Stormwater Program Coordinator (SPC) must ensure appropriate staff receive training on topics in the chart below as required due to job duties assigned within three months of commencement of duties and again on the frequency below. Indicate the location of associated training sign in sheets, dates, and agendas or description for each topic.

Topic	Frequency	Title of trainer or office to conduct training
1. Maintenance Yard/Ancillary Operations	Every year	Onsite Training
2. Stormwater Facility Maintenance	Every year	Onsite Training
3. SPPP Training & Recordkeeping	Every year	VANJHCS - TMS
<i>For Public Complexes with residents only</i> 4. Residential Yard Waste Collection	Every 2 years	N/A
5. Street Sweeping	Every 2 years	Done by Contractor
6. Illicit Connections & Outfall Mapping	Every 2 years	NJ DEP
7. Outfall Stream Scouring	Every 2 years	Onsite Training
8. Waste Disposal Education	Every 2 years	VANJHCS - GEMS
9. Regulatory Mechanisms	Every 2 years	VANJHCS - TMS
10. Construction Activity/Post-Construction Stormwater Management in New Development and Redevelopment	Every 2 years	VANJHCS - TMS and Onsite Training

B. Stormwater Management Reviewer Training: All individuals who review the stormwater management design for development and redevelopment projects on behalf of the permittee must attend the first available class upon assignment as a reviewer and every five years thereafter. The course is a free, two-day training conducted by DEP staff. Training dates and locations are posted at www.nj.gov/dep/stormwater/training.htm.

Indicate the location of the permittee's list of the names and dates of individuals that received the Department approved training: In the Facility Management Services (FMS) Offices

SPPP Form 10 – Maintenance Yards and Other Ancillary Operations

Complete separate forms for each location.

1. Address of maintenance yard or ancillary operation (complete one form per location):
Ground Salt Yard - Near Building 49
2. List all materials and machinery located at this location that are exposed to stormwater which could be a source of pollutants in a stormwater discharge.
Raw materials: Bulk Salt
Intermediate products: None
Final products: Brine (salt)
Waste materials: None
By-products: None
Machinery: Caterpillar 936 Front Loader; John Deere Backhoe Model 1035L
Fuel: None
Lubricants: None
Solvents: None
Detergents related to maintenance yard or ancillary operations: None
Other: None
(SPPP Form 10 continued)

3. Indicate the location of monthly inspection logs documenting inspections of this location:
Copies will be kept in the Chief of Operations Office, Building 10, Room 209.
4. Describe the procedures for cleaning spills and disposing of clean-up waste. Indicate the location of materials used for cleaning, e.g., kitty litter, sawdust, etc.
Door on the Salt Dome prevents rain from washing any salt out. In addition, we will place a PIG absorbent to prevent any spill reaching the storm drain if there is a spill.
5. List all containers stored at this location, including the content, and location. For containers that are stored outside, indicate if they are covered, what they are placed upon, and if the area is graded or contained by berms.
Brine Tank, 23% Concentration - (5,000 Gallon)
6. For each category below, describe the best management practices in place to ensure compliance with all requirements in the permit. Indicate the location of inspection logs and tracking forms associated with this maintenance yard or ancillary operation, including documentation of conditions requiring attention and remedial actions that have been taken or have been planned.
a. Fueling Operations: <i>N/A</i>
b. Discharge of Stormwater from Secondary Containment: <i>N/A</i>
c. Vehicle Maintenance: <i>N/A</i>
d. On-Site Equipment and Vehicle Washing <i>See permit for certification and log forms for Underground Storage Tanks.</i>
<i>The VANJHCS - Lyons Campus does not wash any vehicle on-site except for firefighting equipment and fire trucks. Flows from firefighting activities including the washing of fire fighting vehicles are authorized discharges under the Public Complex MS4 NJPDES Permit. VANHJCS Lyons Fire Fighting Section washes their equipment and trucks right outside the firehouse. Washing is performed as necessary and record of washing is logged in the fire station fire logbook. The Firehouse uses a soap that is biodegradable and eco-friendly to the environment.</i>
(SPPP Form 10 continued)

e. Salt and De-Icing Material Storage and Handling
VANJHCS - Lyons Campus stores its de-icing materials in a stockpile in a permanent roofed concrete, block structured located in the Grounds Maintenance yard. VANJHCS - Lyons Campus inspects for spilled salt after loading and unloading activities.
f. Aggregate Material and Construction Debris Storage: <i>N/A</i>
g. Street Sweepings, Catch Basin Clean Out and Other Material Storage
All street sweepings, catch basin clean out and other material storage are taken off-site by the Contractor. Nothing remains onsite at VANJHCS - Lyons Campus.
h. Yard Trimmings and Wood Waste Management Note that leaves, grass clippings, woodchips, and brush are considered yard trimmings and trees, stumps, and untreated lumber are considered wood waste.
All yard trimmings and wood waste management are taken off-site by the Contractor. Nothing remains onsite at VANJHCS - Lyons Campus.

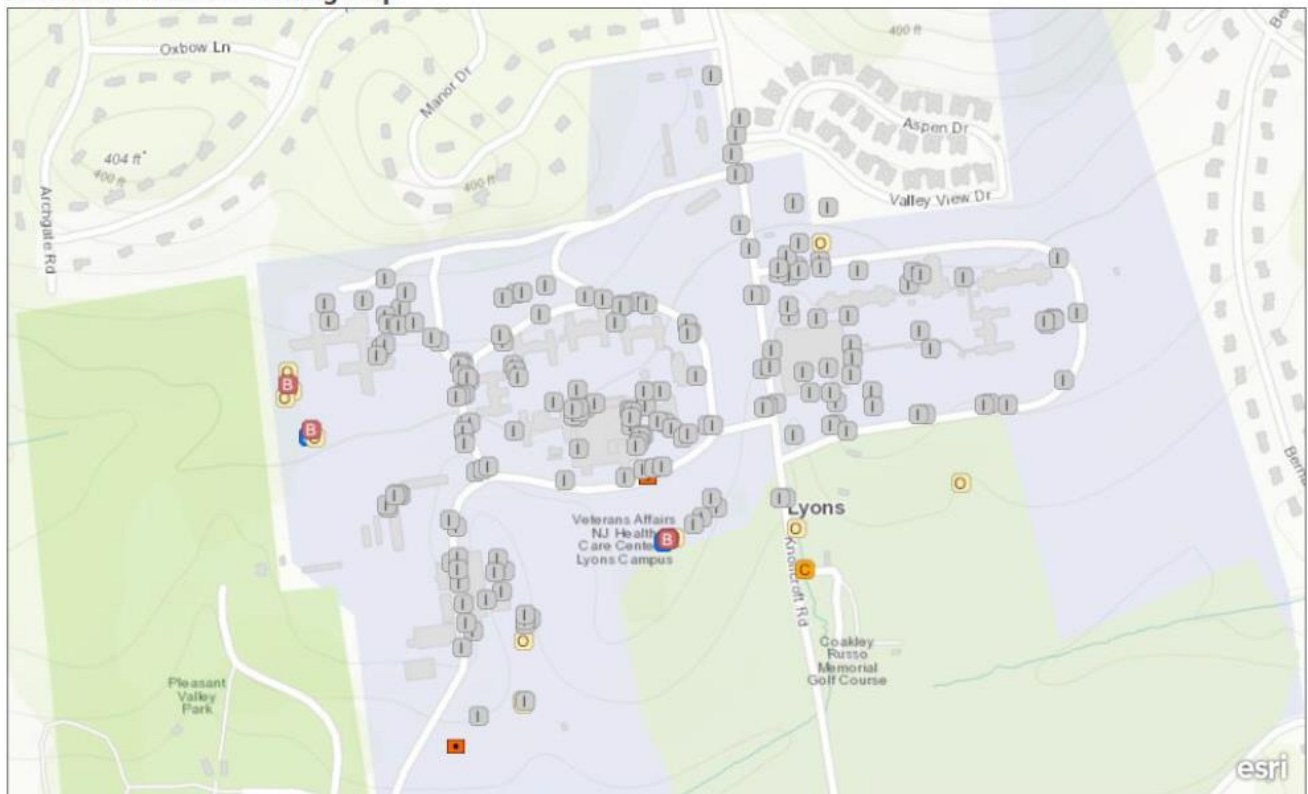
SPPP Form 11 – Mapping Outfall Pipes and Stormwater Facilities

Visit https://www.nj.gov/dep/dwq/msrp_map_aid.htm for the NJ DEP free mapping application.

- 1. Mapping Outfall Pipes:** Attach an image or provide a link to a map of the outfall pipes located on the Public Complex property, showing the location of the end of all MS4 outfall pipes (in tidal and non-tidal receiving waters) owned or operated by the Public Complex which discharge to a surface water body. Include the location and name of all surface water bodies receiving discharges from those outfall pipes.

Note that the permittee must submit the outfall pipe map to NJ DEP by January 1, 2020. Updates to the outfall pipe map shall be submitted annually to include new or newly identified outfall pipes. Outfall pipes may be included on the map of stormwater facilities and submitted with the Annual Report and Certification (see #2 below).

MS4 Infrastructure Editing Map



Web map for editing MS4 infrastructure

Somerset County, NJ, State of New Jersey, Esri, HERE, Garmin, INCREMENT P, Intermap, USGS, METI/NASA, EPA, USDA | NJDEP, NJDA, Soil Conservation District, Edition 20180406

- 2. Mapping Stormwater Facilities:** Attach an image or provide a link to a map of the stormwater facilities located on the Public Complex property. Include the property boundaries of the Public Complex, location of each stormwater facility, e.g., outfalls, inlets, basins, subsurface infiltration/detention systems, culverts, MTDs, green infrastructure, etc.

Note that the permittee must submit the stormwater facilities map to NJ DEP by January 1, 2020. Updates to the stormwater facilities map shall be submitted annually to include new or newly identified stormwater facilities as an attachment to the Annual Report and Certification.

SPPP Form 12 – Outfall Pipe Inspections

1. **Inspections:** Describe the program in place to inspect the outfall pipes located on Public Complex property. Records must include the location, inspection date, inspector name, findings, preventative and corrective maintenance performed. Indicate the location of records.

The outfall pipes are inspected every two to three years. Copies of inspections are kept in the FMS Offices.

2. **Stream Scouring:** Describe the program in place to detect, investigate and control localized stream scouring from stormwater outfall pipes. Indicate the location of records related to cases of localized stream scouring. Such records must include the contributing source(s) of stormwater, recommended corrective action, and a prioritized list and schedule to remediate scouring cases.

The localized stream scouring stormwater outfall pipes are inspected annually, and remediation are conducted on inspection. Copies of inspections are kept in the FMS Offices.

3. **Illicit Discharges:** Describe the program in place for conducting visual dry weather inspections of permittee-owned or operated outfall pipes. Record results of investigations and actions taken using NJDEP's form at https://www.nj.gov/dep/dwq/public_complex/pdf/PC_Illicit%20Connection%20Inspection%20Report%20Formpdf.pdf.

Indicate the location of these forms and related illicit discharge records. Note that Illicit Connection Inspection Report Forms shall be included in the SPPP and submitted to NJ DEP as an attachment to the Annual Report and Certification.

Inspections of the outfall piping are annually conducted during dry weather periods. If unusual or excessive flows are witnessed during the inspection, further investigation will occur to identify the source, which will be eliminated.

SPPP Form 13 –Stormwater Facilities Inspection and Maintenance

1. **Inspections:** Describe the program in place to inspect, clean, and maintain the stormwater facilities located on Public Complex property. Records must include the type of stormwater facility, location, inspection date, inspector name, findings, preventative and corrective maintenance performed. Indicate the location of records.

The VANJHCS - Lyons Campus has a plan in place to inspect, clean, and maintain the stormwater drainages. The VANJHCS - Lyons Campus' Plumbing Supervisor will ensure that all catch basins are inspected and cleaned. Anything that needs to be cleaned will be done at the time of inspection. In addition, all storm lines will be inspected and cleaned as necessary. VANJHCS - Lyons Campus will take proper measures to see that all storm drainages are repaired utilizing employee staff or contracted services as required. Copies will be kept in the FMS Offices and with the Plumbing Shop Supervisor. VANJHCS - Lyons Campus will submit an annual report including a record of inspections, maintenance, and repairs to the NJDEP.

2. **Maintenance:** Indicate the location of maintenance plans related to maintenance of stormwater facilities on Public Complex property.

NJDEP provides materials to assist permittees with this requirement at https://www.nj.gov/dep/stormwater/maintenance_guidance.htm.

Copies will be kept in the FMS Offices and with the Plumbing Shop Supervisor.












SPPP Form 14 – Total Maximum Daily Load Information

1. List the names of the adopted Total Maximum Daily Loads (TMDLs), parameters addressed, and the affected water bodies associated with any segment of surface water wholly or partially within or bordering the Public Complex.

Refer to the list of TMDL reports provided at <http://www.nj.gov/dep/wms/bears/tmdls.html>.

Utilize the TMDL look-up tool at <https://www.nj.gov/dep/dwq/msrp-tmdl-rh.htm> to identify impaired water bodies bordering the Public Complex.

Applicable Stream TMDL(s)

-  Total Maximum Daily Loads for Fecal Coliform to Address 3 Streams in the Raritan Water Region
 - Fecal Coliform - 2005: Middle Brook W Br
-  Total Maximum Daily Loads for Fecal Coliform to Address 48 Streams in the Raritan Water Region
 - Fecal Coliform - 2003: N Br Raritan River, Chambers Brook
-  Total Maximum Daily Loads for Fecal Coliform to Address 32 Streams in the Northeast Water Region
 - Fecal Coliform - 2003: Passaic & Dead R nr Millington, Black Bk at Madison, Canoe Bk nr Summit, Passaic nr Catham
-  Total Maximum Daily Load Report for the Non-Tidal Passaic River Basin Addressing Phosphorus Impairments
 - Total Phosphorus - 2008: Dead River (above Harrisons Brook)
-  Total Maximum Daily Load Report for the Non-Tidal Passaic River Basin Addressing Phosphorus Impairments
 - Total Phosphorus - 2008: Dead River (below Harrisons Brook)
-  Total Maximum Daily Load Report for the Non-Tidal Passaic River Basin Addressing Phosphorus Impairments
 - Total Phosphorus - 2008: Great Brook (below Green Village Rd)
-  Total Maximum Daily Load Report for the Non-Tidal Passaic River Basin Addressing Phosphorus Impairments
 - Total Phosphorus - 2008: Harrisons Brook
-  Total Maximum Daily Load Report for the Non-Tidal Passaic River Basin Addressing Phosphorus Impairments
 - Total Phosphorus - 2008: Passaic R Up (Dead R to Osborn Mills)
-  Total Maximum Daily Load Report for the Non-Tidal Passaic River Basin Addressing Phosphorus Impairments
 - Total Phosphorus - 2008: Passaic R Up (Plainfield Rd to Dead R)
-  Total Maximum Daily Load Report for the Non-Tidal Passaic River Basin Addressing Phosphorus Impairments
 - Total Phosphorus - 2008: Passaic R Up (above Osborn Mills)
-  Total Maximum Daily Load Report for the Non-Tidal Raritan River Basin Addressing Total Phosphorus, Dissolved Oxygen, pH and Total Suspended Solids Impairments
 - Total Phosphorus - 2016: Raritan R NB (Lamington R to Mine Bk)

- ✚ Total Maximum Daily Load Report for the Non-Tidal Raritan River Basin Addressing Total Phosphorus, Dissolved Oxygen, pH and Total Suspended Solids Impairments
 - Total Phosphorus - 2016: Raritan R NB (Rt 28 to Lamington R)
- ✚ Total Maximum Daily Load Report for the Non-Tidal Raritan River Basin Addressing Total Phosphorus, Dissolved Oxygen, pH and Total Suspended Solids Impairments
 - Total Phosphorus - 2016: Raritan R NB (incl Mine Bk to Peapack Bk)
- ✚ Total Maximum Daily Load Report for the Non-Tidal Raritan River Basin Addressing Total Phosphorus, Dissolved Oxygen, pH and Total Suspended Solids Impairments
 - Total Suspended Solids - 2016: Middle Brook EB
- ✚ Total Maximum Daily Load Report for the Non-Tidal Raritan River Basin Addressing Total Phosphorus, Dissolved Oxygen, pH and Total Suspended Solids Impairments
 - Total Suspended Solids - 2016: Middle Brook WB
- ✚ Total Maximum Daily Load Report for the Non-Tidal Raritan River Basin Addressing Total Phosphorus, Dissolved Oxygen, pH and Total Suspended Solids Impairments
 - Total Suspended Solids - 2016: Raritan R NB (Lamington R to Mine Bk)
- ✚ Total Maximum Daily Load Report for the Non-Tidal Raritan River Basin Addressing Total Phosphorus, Dissolved Oxygen, pH and Total Suspended Solids Impairments
 - Total Suspended Solids - 2016: Raritan R NB (Rt 28 to Lamington R)
- ✚ Total Maximum Daily Load Report for the Non-Tidal Raritan River Basin Addressing Total Phosphorus, Dissolved Oxygen, pH and Total Suspended Solids Impairments
 - Total Suspended Solids - 2016: Raritan R NB (incl Mine Bk to Peapack Bk)

Applicable Lake TMDL(s)

- ✚ Amendment to the Upper Raritan Water Quality Management Plan: Total Maximum Daily Loads for Pathogens to Address 4 Lakes in the Raritan Water Region
 - Fecal Coliform - 2007: Sunset Lake

2. Describe how the permittee uses TMDL information to prioritize stormwater facilities maintenance projects and to address specific sources of stormwater pollutants.

For guidance on TMDLs, visit <https://www.nj.gov/dep/dwq/pdf/10-21-16-tmdl-tool-box.pdf>.

To address Fecal Coliform and Pathogens:

- ✚ Ensure proper operation and maintenance of stormwater drains;
- ✚ Identify and eliminate illicit discharges and connections;
- ✚ Enforce both the pet waste and wildlife feeding ordinance; and
- ✚ Encourage green or blue infrastructure and adopt BMPs as necessary especially for any new construction.

To address Total Phosphorus:

- ✚ Ensure proper operation and maintenance of stormwater drains;
- ✚ Identify and eliminate illicit discharges and connections;
- ✚ Enforce both the pet waste and wildlife feeding ordinance; and
- ✚ Ensure a mechanism is in place for enforcement of the New Jersey Fertilizer Law.

To address Total Suspended Solids:

- ✚ Ensure proper operation and maintenance of stormwater drains;
- ✚ Identify and eliminate illicit discharges and connections;
- ✚ Ensure proper soil erosion and sediment control measures are installed on construction sites;
and
- ✚ Increase frequency of outfall pipe evaluation and repair instances of outfall pipe stream scour.

SPPP Form 15 – Additional Measures and Optional Measures

1. **Additional Measures:** Describe any Best Management Practice(s) and the related measurable goal or numeric effluent limitations that are expressly required by the Department to be included in the permittee's stormwater program by a TMDL.

N/A

2. **Optional Measures:** Describe any Best Management Practice(s) the permittee has developed that extend beyond the requirements of the Public Complex MS4 NJPDES permit that prevents or reduces water pollution.

N/A

SPPP Form 16 – Shared Services

1. List the permit conditions that are satisfied through a shared or contracted service where an entity other than the permittee is implementing BMP(s) or control measure(s) on the permittee's behalf. Include the name of the entity responsible for satisfying each applicable permit condition.

Note that the permittee is responsible for ensuring that the BMP(s)/control measure(s) are at least as stringent or as frequent as the corresponding permit requirement. The permittee is responsible for compliance with the permit if the other entity fails to implement the measure(s) or component(s).

The permittee is responsible for maintaining the appropriate documentation related to permit conditions, including those satisfied through shared services, in the SPPP and on the Annual Report and Certification.

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2. For each permit condition that is satisfied through a shared or contracted service, describe the arrangements in place. Indicate the physical location of any written agreements and records.

There is a contract in placed via the Contractor Office. Contract agreements are kept electronically, and copies of all records will be kept in the FMS Offices.